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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/674,049	09/29/2003	Thomas William Connors	D/A2539	2577
25453 7590 01/30/2007 PATENT DOCUMENTATION CENTER XEROX CORPORATION 100 CLINTON AVE., SOUTH, XEROX SQUARE, 20TH FLOOR ROCHESTER, NY 14644			EXAMINER AUGUSTINE, NICHOLAS	
			ART UNIT 2179	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE			MAIL DATE	DELIVERY MODE
3 MONTHS			01/30/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/674,049

Applicant(s)

CONNORS ET AL.

Examiner

Nicholas Augustine

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |                                                                                      |                                                                   |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____                                                          | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-32 are rejected under 35 U.S.C. 102(e) as being anticipated by Shanahan et al (US 20050022114).

**As for independent claims 1, 16 and 32**, Shanahan teaches a method for an imaging system to form a user interface for a user to accept or request modification to a displayed document, and corresponding method for an imaging system to form a user interface for a user to communicate to the imaging system a desired modification in a displayed document and method of modifying a displayed document in an imaging system, comprising: (a) retrieve a user identification based on the user (par. 132, last 3 lines); (b) retrieve a document identification corresponding to the displayed document

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(101/ fig.1, par.132, line 3); (c) retrieve a document content corresponding to the displayed document (102, par.132, line 3); (d) retrieve a document metadata corresponding to the displayed document (par.142,line1); (e) retrieve a document request history corresponding to the displayed document (par.132, 104; wherein 104 is a collection of service request of personality of a document); (f) form and display a document content rendering based on the document content (par.569, 6220); (g) form and display a document metadata rendering based on the document metadata (par.213, 6220), ; (h) form and display a document request history rendering based on the document request history (par.568, lines 11-13); (i) form and display a user accept means for the user to accept the displayed document (par.493, lines 1-3); (j) form and display a user request modification means for the user to request modification of the document (par.6, line 2); and whereby the user will accept the document content rendering (par.398, last line) and the document metadata rendering by activating the user accept means or else request modification of the document content rendering and the document metadata rendering by activating the user request modification means (par.134, line 10); (b) determine a document type based on the document identification (par.211, line 6); (c) determine a set of allowable modification types based on the document type (par.216, line 7); (d) form and display a rendering of the allowable modification types, the rendering of the allowable modification types including modification-selecting means for the user to select one or more of the allowable modification types(fig.13, shown modifications); (g) form and display a rendering of the request history, the rendering of the request history including information from image

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modification requests previously submitted and including means for the user to select one of the previously reported image modification requests that describes the modification that the user desires to make to the current displayed document (fig.14); and (h) by the user, communicate to the imaging system the desired modification in the current displayed document by the user's selection of the previously requested modification (2140, wherein the frequency of use indicates a history of modifications); (a) by a user, communicating to the imaging system a modification request that the displayed document needs to be modified, the modification request including a description of the problem in the displayed document; and by the imaging system (fig.16, par.223, lines 1-10): (b).receiving the modification request (par.223, lines 2-5); (c) based on a plurality of predetermined modification methods, determining which modification method best addresses the modification request, and selecting the modification method so determined, thus forming a selected modification method (fig.17); (d) applying the selected modification method to the document, thus forming a modified document; and (e) storing the modified document (fig.16-17; wherein the modifications are being performed and stored(210).

As for dependent claims 2-15 and 17-31, Shanahan teaches the method of claim 1 and corresponding method of claim 16;

- \* the imaging system comprising a client device, the client device comprising a display unit (219,226).

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- \* the client device comprising any of a handheld digital assistant and a personal computer equipped with a monitor (219).
- \* the display unit arranged to display the document content rendering, the document metadata rendering, the document request history rendering, the user accept means and the user request modification means (fig.62; interface).
- \* the user accept means comprising a user click button (par.350).
- \* the user request modification means comprising a user click button (par.350).
- \* the imaging system further comprising a server (fig.2).
- \* the server and the client device arranged to communicate by means of a communication means (fig.2).
- \* the communication means comprising an internet communication system (fig.2).
- \* by the client device, of communicating to the server by means of the communication means a request for a view of document information stored in the

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server(200,202,219,226).

- \* the request specifying the document identification for the displayed document (101).
- \* by the server, of forming a view document data user interface, the view document data user interface comprising the document content rendering, the document metadata rendering, the document request history rendering, the user accept means and the user request modification means (fig.62-68; depicted the individual areas of the interface).
- \* by the server, of communicating the view document data user interface to the client device by means of the communication means (fig.2).
- \* by the user, of forming a user selection comprising either accepting the document content rendering and the document metadata rendering by activating the user accept means or else requesting modification of the document content rendering and the document metadata rendering by activating the user request modification means (fig.62-68 and fig.14-18).
- \* by the client device, of communicating the user selection to the server by means of the communication means (fig.2).

- \* the modification selecting means for the user to select one or more of the allowable modification types comprising one or more checkboxes that may be selected by the user (fig.14-17).

- \* the means for the user to select one of the previously reported image modification requests that describes the modification that the user desires to make to the current displayed document comprising one or more checkboxes that may be selected by the user (fig.14-18 and fig.62).

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-32 are rejected under 35 U.S.C. 102(b) as being anticipated by Levy et al (US 20020033844 A1).



**As for independent claims 1, 16 and 32,** Levy teaches a method for an imaging system to form a user interface for a user to accept or request modification to a displayed document, and corresponding method for an imaging system to form a user interface for a user to communicate to the imaging system a desired modification in a displayed document and method of modifying a displayed document in an imaging system, comprising: (a) retrieve a user identification based on the user (fig.6; creator id); (b) retrieve a document identification corresponding to the displayed document (fig.6; image id); (c) retrieve a document content corresponding to the displayed document (fig.6; original document displayed); (d) retrieve a document metadata corresponding to the displayed document (par.21, lines4-9); (e) retrieve a document request history corresponding to the displayed document (par.51, lines 5-10); (f) form and display a document content rendering based on the document content (fig.4); (g) form and display a document metadata rendering based on the document metadata (fig.4), ; (h) form and display a document request history rendering based on the document request history (par.568, lines 11-13); (i) form and display a user accept means for the user to accept the displayed document (100, par.51; wherein the history of displayed images which the user modified); (j) form and display a user request modification means for the user to request modification of the document (fig.6;interface to modification); and whereby the user will accept the document content rendering (fig.6; user does not modify) and the document metadata rendering by activating the user accept means or else request modification of the document content rendering and the document metadata rendering by activating the user request modification means (fig.6; wherein the user is accepting

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to modify the document); (b) determine a document type based on the document identification (fig.6; id is shown which is a determination to the user of the correct document); (c) determine a set of allowable modification types based on the document type (fig.6, checkboxes indicate the allowable modification types to be made); (d) form and display a rendering of the allowable modification types, the rendering of the allowable modification types including modification-selecting means for the user to select one or more of the allowable modification types(fig.6; wherein the user can accept the modification of a document; with it understood that more than one attributes can be presented also is not limited to said attributes displayed to any one system); (g) form and display a rendering of the request history, the rendering of the request history including information from image modification requests previously submitted and including means for the user to select one of the previously reported image modification requests that describes the modification that the user desires to make to the current displayed document (fig.1,100 wherein the user can enter creator id to bring up content that was changed to be displayed portraying in the likes of a history list); and (h) by the user, communicate to the imaging system the desired modification in the current displayed document by the user's selection of the previously requested modification (fig.7-8; shows the communication from the user to the system for modification communication means); (a) by a user, communicating to the imaging system a modification request that the displayed document needs to be modified, the modification request including a description of the problem in the displayed document; and by the imaging system (par.30 and fig.8, the communication from client to server for requests):

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(b) receiving the modification request (par.31 and fig.8; depicted communication paths);  
(c) based on a plurality of predetermined modification methods, determining which modification method best addresses the modification request, and selecting the modification method so determined, thus forming a selected modification method (par.29; wherein the user request modification and fig.8 carries out the request throughout the network); (d) applying the selected modification method to the document, thus forming a modified document (fig.6; wherein the user request by embedding/ modifying the document where fig.8 shows the communication request path, par.31); and (e) storing the modified document (fig.8; shows the storage means).

As for dependent claims 2-15 and 17-31, Levy teaches the method of claim 1 and corresponding method of claim 16;

- \* the imaging system comprising a client device, the client device comprising a display unit (1220,1247).
- \* the client device comprising any of a handheld digital assistant and a personal computer equipped with a monitor (1247).
- \* the display unit arranged to display the document content rendering, the document metadata rendering, the document request history rendering, the user accept means and the user request modification means (fig.2-3).

- \* the user accept means comprising a user click button (fig.6).
- \* the user request modification means comprising a user click button (fig.6).
- \* the imaging system further comprising a server (fig.8).
- \* the server and the client device arranged to communicate by means of a communication means (fig.8).
- \* the communication means comprising an internet communication system (fig.8,7).
- \* by the client device, of communicating to the server by means of the communication means a request for a view of document information stored in the server(par.31-2; fig.8).
- \* the request specifying the document identification for the displayed document (fig.6, par.29-32).
- \* by the server, of forming a view document data user interface, the view document data user interface comprising the document content rendering, the document metadata rendering, the document request history rendering, the user

accept means and the user request modification means (fig.2,3,6).

\* by the server, of communicating the view document data user interface to the client device by means of the communication means (fig.8,par.31).

\* by the user, of forming a user selection comprising either accepting the document content rendering and the document metadata rendering by activating the user accept means or else requesting modification of the document content rendering and the document metadata rendering by activating the user request modification means (fig.6; upon selection of embedding is accepting the modification of a document).

\* by the client device, of communicating the user selection to the server by means of the communication means (fig.8).

\* the modification selecting means for the user to select one or more of the allowable modification types comprising one or more checkboxes that may be selected by the user (fig.6).

\* the means for the user to select one of the previously reported image modification requests that describes the modification that the user desires to

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make to the current displayed document comprising one or more checkboxes that may be selected by the user (fig.6;par.21 and 29).

**NOTE: It is noted that any citation to specific, pages, columns, lines, or figures in the prior art references and any interpretation of the references should not be considered to be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. In re Heck, 699 F.2d 1331, 1332-33, 216 USPQ 1038, 1039 (Fed. Cir. 1983) (quoting In re Lemelson, 397 F.2d 1006,1009, 158 USPQ 275, 277 (CCPA 1968)).**

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

*US 7143091 B2      Method and apparatus for sociological data mining*

*US 7069592 B2      Web-based document system*

*US 7047241 B1      System and methods for managing digital creative works*

*US 20030117434 A1      Method and apparatus for sharing many thought  
databases among many clients*

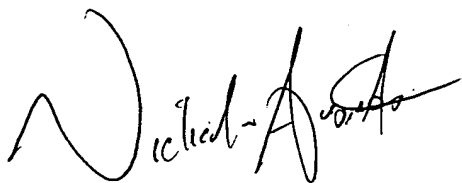
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***Inquires***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas Augustine whose telephone number is 571-270-1056. The examiner can normally be reached on Monday - Friday: 7:30- 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on 571-272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



N. Augustine  
January 12, 2007

Nicholas Augustine  
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